PDR RID Report

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Organization	NASA Headquarters, Code YD		**Review** FOS	
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Document	PDR		**Priority** 2	

Section NA	**Page** NA	**Figure Table** NA

Category Name Design   **Actionee** HAIS

Sub Category

Subject Lack of Design/Program Integration

Description of Problem or Suggestion:

The presentations did not address, activities or hardware/software designs that are standard for object oriented design. Both structure and a well defined processes are mandated when such an approach is taken. The presenters developed well defined conceptual designs (at the tree level) but the integrated picture was not clearly presented (at the forest level).

Originator's Recommendation

Develop an integrated hardware/software/system concept which uses object oriented design practices and integrate the findings into the current design. Also practices include developing a top level PDL software outline, data flows with message naming, well defined areas of design / program risk, definitions of CSCI, HWCI, derived objects which define the architecture and the management processes to control design growth, modify requirements, and document programmatic agreements.

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring   **HAIS Schedule**   1/20/95

HAIS R. E.   A. Miller   **HAIS Response Date**   1/24/95

At the direction of the Government, the PDR was oriented toward the user community. For more specific information on the hardware/software design, refer to the FOS Design Specification.

The guidelines for developing software on the ECS contract are documented in the ECS Software Development Plan, DID 308/DV2. In addition, details pertaining to software development standards and practices are defined in the ECS Project Instruction, Software Inspection Process, SD-1-004.

The FOS Development/Release Plan includes: information delineating the segment scenarios and their corresponding components, which span all FOS subsystems. It also includes the design guidelines FOS is following for each design phase (i.e., preliminary design and detailed design) -- i.e., the guidelines for documenting the object oriented design models (object, dynamic, and functional).

Status **Closed**	**Date Closed** **2/1/95**	**Sponsor** **Johns**

******   Attachment if any   ******